

WHAT IS CLAIMED IS:

Sub B.1

1. An optical device comprising:  
a connector for electrical connection with a  
camera;  
5 a process circuit; and  
an interface circuit to be connected between said  
process circuit and said connector;  
wherein said interface circuit is so constructed  
that the circuit characteristics, interface or signal  
10 handling standard is switchable for matching the  
process with different cameras.

2. An optical device according to claim 1,  
further comprising:

15 designation means for designating arbitrary one  
among plural different cameras;

wherein said interface circuit is adapted to  
switch at least one of the circuit characteristics,  
interface, or signal handling standard according to the  
20 designated camera.

3. An optical device according to claim 2:

wherein said interface circuit is adapted to set  
the output characteristics for signal output from the  
25 optical device to the camera at characteristics  
matching the designated camera.

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4. An optical device according to claim 2:  
wherein said interface circuit is adapted to  
convert a signal transmitted from the camera into a  
signal matching the signal handling standard in the  
5 optical device.

5. An optical device according to claim 2:  
wherein said interface circuit is adapted to  
convert a signal to be transmitted from the optical  
10 device to the camera into a signal matching the signal  
handling standard in the camera.

6. A lens device connectable to different cameras  
and adapted to execute signal communication between the  
camera and the lens, the device comprising a conversion  
15 circuit for converting a signal, transmitted from the  
camera, into a signal matching the signal handling  
standard in the lens in accordance with the camera.

7. A lens device according to claim 6, further  
comprising conversion process designating means for  
varying the conversion process in said conversion  
20 circuit respectively for the different cameras.

8. A lens device according to claim 6, wherein  
said conversion circuit is adapted to execute a  
predetermined first conversion process for a first  
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13. A lens device according to claim 12, further comprising conversion process designating means for varying the conversion process in said conversion circuit respectively for the different cameras.

15. A lens device according to claim 14, further  
20 comprising designation means for designating said  
conversion process, according to the camera, to said  
conversion circuit.

16. A lens device according to claim 15, wherein  
25 said conversion circuit includes a memory circuit for  
storing conversion data for data conversion, and is  
adapted to effect data conversion with respect to said

reference signal, corresponding to the camera designated by said designation means.

5 17. A lens device connectable to different cameras and adapted to execute signal communication between the camera and the lens, the device comprising a switching circuit for switching, corresponding to different cameras, the output characteristics of an output circuit for transmitting a signal from the lens  
10 to the camera through said output circuit so as to match the connected camera.

15 18. A lens device according to claim 17, further comprising designation means for varying the switching process in said switching circuit corresponding to the different cameras.

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